

**WHAT IS CLAIMED IS:**

1. A compound having the formula:



wherein

Ab is an antibody;

G is an intact glycosyl linking group covalently joining Ab to L;

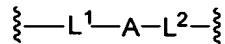
L is a bond or a spacer moiety covalently joining G to T; and

T is a toxin.

2. The compound according to claim 1, wherein said linker moiety is a member selected from substituted or unsubstituted alkyl, substituted or unsubstituted heteroalkyl and substituted or unsubstituted aryl moieties.

3. The compound according to claim 2, wherein said linker moiety comprises a poly(ethylene glycol) moiety.

4. The compound according to claim 1, wherein L has the formula:



wherein

$L^1$  is a bond or a linker moiety covalently joining S to A;

A is an amplifier moiety; and

$L^2$  is a bond or a spacer moiety covalently adjoining A to T.

1                           5. The compound according to claim 4, wherein said amplifier moiety is a  
2 polyamine moiety.

1                           6. The compound according to claim 5, wherein said polyamine moiety is  
2 a dendrimer.

7. The compound according to claim 4, having the formula:



wherein

PEG is a straight- or branched-chain poly(ethylene glycol);

**m** is an integer from 1 to 6; and

**n** is an integer from 1 to 1,000.

8. The compound according to claim 4, having the formula:

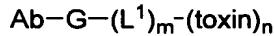


wherein

**m** is an integer from 1 to 6; and

**n** is an integer from 1 to 1,000.

9. The compound according to claim 4, having the formula:

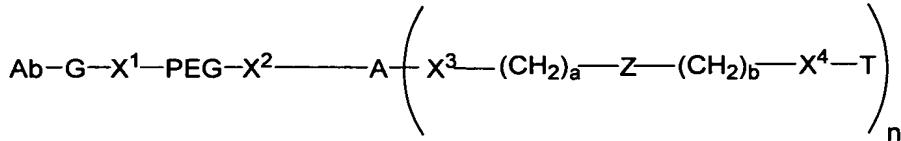


wherein

**m** is an integer from 1 to 6; and

**n** is an integer from 1 to 1,000.

10. The compound according to claim 1, having the formula:



wherein

$X^1$ ,  $X^2$  and  $X^4$  are linking groups and are members selected from the group consisting of O, S, NH,  $(CH_2)_q$ -NH, NH- $(CH_2)_q$ , NH-C(O)-O, O-C(O)-NH,  $(CH_2)_q$ -NH-C(O)-O, O-C(O)-NH- $(CH_2)_q$ , C(O)-O, O-C(O),  $(CH_2)_q$ -NH-C(O), C(O)-NH- $(CH_2)_q$ , NH-C(S), and C(S)-NH.

and wherein

A is an amplifier moiety;

Z is a bond cleaved by a metabolic/physiological process;

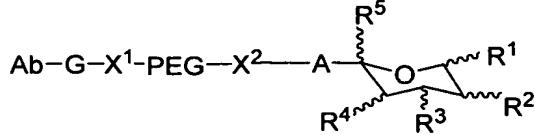
n is an integer from 1 to 1,000;

a is an integer from 1 to 10;

**b** is an integer from 1 to 10; and

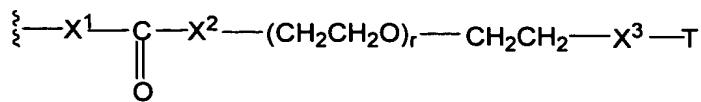
**q** is an integer from 0 to 20.

11. The compound according to claim 1, having the formula:



wherein

4 at least one of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, is :



6 wherein

7 r is an integer from 1 to 2,500;

8 Z<sup>1</sup> is selected from the group consisting of O, S, and NH;

9 Z<sup>2</sup> is selected from the group consisting of NH, and NH-(CH<sub>2</sub>)<sub>q</sub>;

10 and

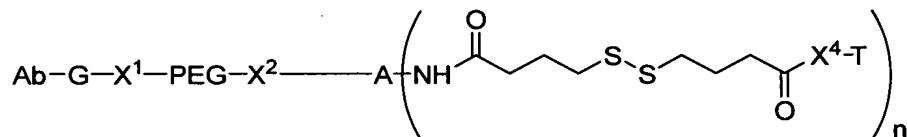
11 X<sup>1</sup>, X<sup>2</sup> and X<sup>3</sup> are linking groups and are members selected from the group  
 12 consisting of O, S, NH, (CH<sub>2</sub>)<sub>q</sub>-NH, NH-(CH<sub>2</sub>)<sub>q</sub>, NH-C(O)-O,  
 13 O-C(O)-NH, (CH<sub>2</sub>)<sub>q</sub>-NH-C(O)-O, O-C(O)-NH-(CH<sub>2</sub>)<sub>q</sub>, C(O)-O,  
 14 O-C(O), (CH<sub>2</sub>)<sub>q</sub>-NH-C(O), C(O)-NH-(CH<sub>2</sub>)<sub>q</sub>, NH-C(S), and C(S)-NH

15 wherein

16 n is an integer from 1 to 1,000; and

17 q is an integer from 0 to 20.

1 12. The compound according to claim 1, having the formula:



3 wherein

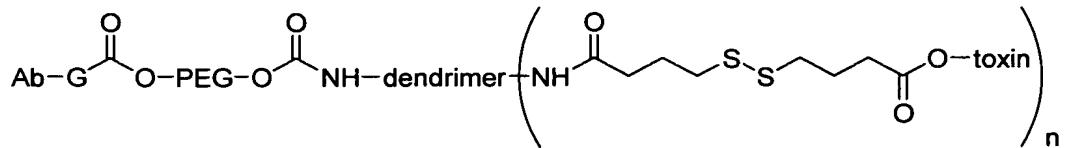
4 X<sup>1</sup>, X<sup>2</sup> and X<sup>4</sup> are linking groups and are members selected from the group  
 5 consisting of O, S, NH, (CH<sub>2</sub>)<sub>q</sub>-NH, NH-(CH<sub>2</sub>)<sub>q</sub>, NH-C(O)-O,  
 6 O-C(O)-NH, (CH<sub>2</sub>)<sub>q</sub>-NH-C(O)-O, O-C(O)-NH-(CH<sub>2</sub>)<sub>q</sub>, C(O)-O,  
 7 O-C(O), (CH<sub>2</sub>)<sub>q</sub>-NH-C(O), C(O)-NH-(CH<sub>2</sub>)<sub>q</sub>, NH-C(S), and C(S)-NH

8 wherein

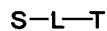
9 n is an integer from 1 to 1,000; and

10 q is an integer from 0 to 20.

1 13. The compound according to claim 12, having the formula:



14. A compound having the formula:



wherein

S is a nucleotide sugar

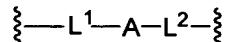
L is a bond or a spacer moiety covalently joining S to T; and

T is a toxin moiety.

1                   15. The compound according to claim 14, wherein said spacer moiety is a  
2 member selected from substituted or unsubstituted alkyl, substituted or unsubstituted  
3 heteroalkyl and substituted or unsubstituted aryl moieties.

1                   16. The compound according to claim 15, wherein said spacer moiety  
2 comprises a poly(ethylene glycol) moiety.

17. The compound according to claim 14, wherein L has the formula:



wherein

$L^1$  is a bond or a spacer moiety covalently joining S to A;

A is an amplifier moiety; and

$L^2$  is a bond or a spacer moiety covalently joining A to T.

1                    18. The compound according to claim 17, wherein said amplifier moiety is  
2 a polyamine moiety.

1                           19. The compound according to claim 18, wherein said polyamine moiety  
2   is a dendrimer.

20. The compound according to claim 17, having the formula:



wherein

PEG is a straight- or branched-chain poly(ethylene glycol);

m is an integer from 1 to 6; and

**n** is an integer from 1 to 1,000.

21. The compound according to claim 17, having the formula:

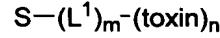


3           wherein

4           m is an integer from 1 to 6; and

5           n is an integer from 1 to 1,000.

1           22.     The compound according to claim 17, having the formula:

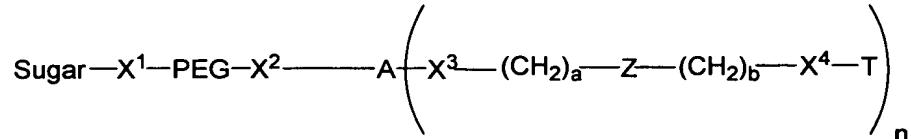


3           wherein

4           m is an integer from 1 to 6; and

5           n is an integer from 1 to 1,000.

1           23.     The compound according to claim 22, having the formula:



3           wherein

4           X<sup>1</sup>, X<sup>2</sup> and X<sup>3</sup> are linking groups and are members selected from the group

5           consisting of O, S, NH(CH<sub>2</sub>)<sub>q</sub>-NH, NH-(CH<sub>2</sub>)<sub>q</sub>, NH-C(O)-O,

6           O-C(O)-NH, (CH<sub>2</sub>)<sub>q</sub>-NH-C(O)-O, O-C(O)-NH-(CH<sub>2</sub>)<sub>q</sub>, C(O)-O,

7           O-C(O), (CH<sub>2</sub>)<sub>q</sub>-NH-C(O), C(O)-NH-(CH<sub>2</sub>)<sub>q</sub>, NH-C(S), and C(S)-NH

8           and wherein

9           A is an amplifier moiety;

10          Z is a bond cleaved by a metabolic/physiological process;

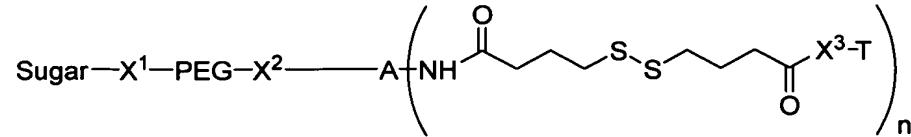
11          n is an integer from 1 to 1,000;

12          a is an integer from 1 to 10;

13          b is an integer from 1 to 10; and

14          q is an integer from 0 to 20.

1           24.     The compound according to claim 14, having the formula:



3           wherein

4           X<sup>1</sup>, X<sup>2</sup> and X<sup>3</sup> are linking groups and are members selected from the group

5           consisting of O, S, NH(CH<sub>2</sub>)<sub>q</sub>-NH, NH-(CH<sub>2</sub>)<sub>q</sub>, NH-C(O)-O,

6                   O-C(O)-NH, (CH<sub>2</sub>)<sub>q</sub>-NH-C(O)-O, O-C(O)-NH-(CH<sub>2</sub>)<sub>q</sub>, C(O)-O,  
7                   O-C(O), (CH<sub>2</sub>)<sub>q</sub>-NH-C(O), C(O)-NH-(CH<sub>2</sub>)<sub>q</sub>, NH-C(S), and C(S)-NH  
8                   wherein  
9                   q is an integer from 0 to 20.

1                   25.     The compound according to claim 24, having the formula:

